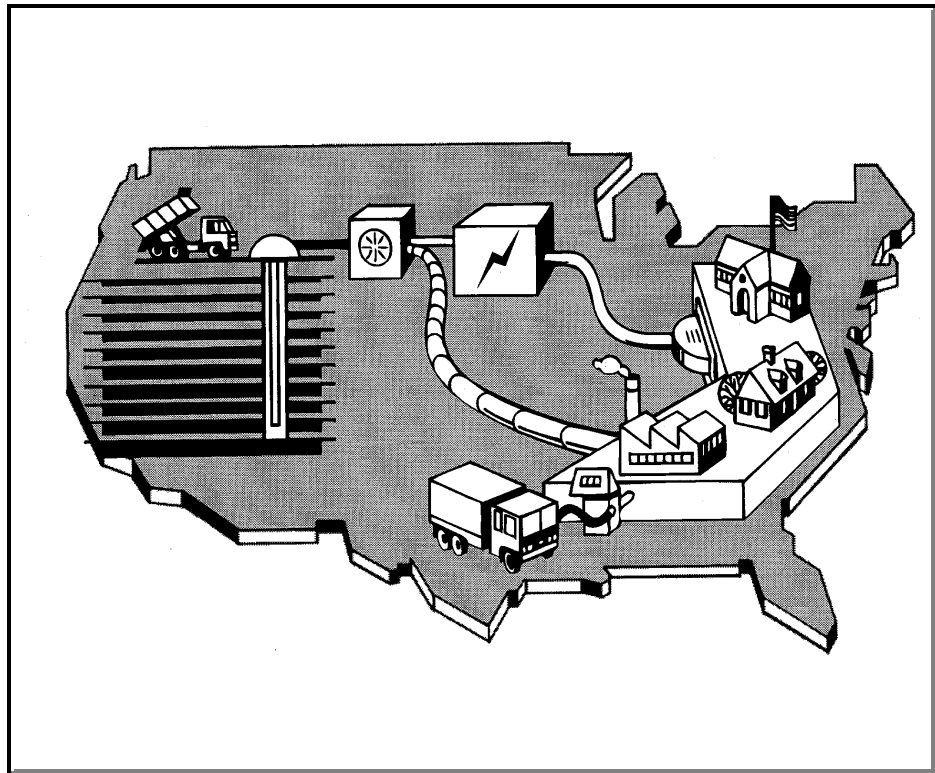




# Landfill Gas-to-Energy Project Opportunities

## Landfill Profiles for the State of Nebraska



## EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

## Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

### Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

## Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,<sup>1</sup> Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

### Landfill Categorizes

#### Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

#### Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.<sup>2</sup>

#### Shutdown:

- Landfill with shutdown LFGTE project.

#### Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

#### Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

## State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

<sup>1</sup> Current projects illustrate the wide range of successful project development options.

<sup>2</sup> By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



## Exhibit 1: Nebraska MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Candidate	6	16	159	5	29,482	0	619,120	0
Other	16	8	82	3	15,105	0	317,195	0
Unknown WIP	2							
Total	24	24	241	8	44,586	0	936,314	0

## Exhibit 2: Potential Nebraska Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Candidate	125,495	103,001	69,259	793	663	0	88,780	72,867	48,997	808	425	1
Other	65,510	53,767	36,154	414	346	0	45,485	37,333	25,103	414	218	0
Unknown WIP												
Total	191,005	156,768	105,413	1,207	1,009	0	134,266	110,199	74,099	1,221	642	1

### Exhibit 3: Index of Landfills in Nebraska

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Candidate	Community Refuse Disposal, Incorpora	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Douglas County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	L.P. Gill LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Lincoln Bluff Road LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Norfolk Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Sarpy County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Alliance Disposal Area LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Beatrice Disposal Area LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Butler County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Community Refuse Disposal, Incorpora	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	G&P Development, Incorporated LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Grand Island LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Hastings Department of Health LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Holdrege Disposal Area LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kearney LF #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kearney LF #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	NNSWC LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	North Platte Disposal Area LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Otoe County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Plattsmouth LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Scottsbluff Disposal LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	York County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	J-Bar-J Land, Incorporated LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Nebraska Ecology Systems, Incorporat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Community Refuse Disposal, Incorporated - Norfolk			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	Community Refuse Disposal	Annual Acceptance Rate (tons):	53,269	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:		
Alternative Landfill Name:		Design Capacity (tons):	1,882,064	
City:	Fremont	Acres Currently Landfilled (acres):	160	
County:	Madison	Average Depth (feet):		
State:	NE	Waste-in-Place (tons):	1,446,633	
Year Open:	1969	1998 Waste-in-Place (tons):	1,446,633	
Year Closed:	1995			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		0.79		
LFG Collection System Status:		N.A.		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		25	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Battle Creek Munic Light & Power Dept; Elkhorn Rural Public Pwr Dist; Madison Municipal Light &			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,556		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	95,674		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	19,732	125	13,720	125
Fuel Oil:	16,195	104	11,260	66
Natural Gas:	10,890	0	7,572	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner			Landfill Operator	
Contact Name:	Roger Detman	Pat LaRue		
Mailing Address:	P.O. Box 462	P.O. Box 462		
Phone Number:	(402) 721-7511	(402) 721-7511		
Fax Number:	(402) 721-3695	(402) 721-3695		

\* *Italicized indicates values estimated by EPA.*

Douglas County LF		Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	609,051
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Waste Management of Nebraska LF	Design Capacity (tons):	2,399,520
City:	Bennington	Acres Currently Landfilled (acres):	63
County:	Douglas	Average Depth (feet):	
State:	NE	Waste-in-Place (tons):	5,434,449
Year Open:	1989	1998 Waste-in-Place (tons):	5,434,449
Year Closed:	2007		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		1.81	
LFG Collection System Status:		N.A.	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		57
Current Capacity:			
Planned Capacity:			
Utilities in County: Omaha Public Power District; Western Area Power Admin			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	10,453		0
CO2 Equivalent of CH4 Reduction (tons/yr):	219,515		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	44,200	279	31,478 286
Fuel Oil:	36,277	234	25,836 151
Natural Gas:	24,393	0	17,372 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	Tom Franke	Tom Franke	
Mailing Address:	9710 Cornhusker Road	9710 Cornhusker Road	
Phone Number:	(402) 731-0138	(402) 731-0138	
Fax Number:			

L.P. Gill LF		Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	L.P. Gill	Annual Acceptance Rate (tons):	167,389
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	7,198,560
City:	Jackson	Acres Currently Landfilled (acres):	150
County:	Dakota	Average Depth (feet):	
State:	NE	Waste-in-Place (tons):	2,292,240
Year Open:	1981	1998 Waste-in-Place (tons):	2,292,240
Year Closed:	2020		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		1.00	
LFG Collection System Status:		N.A.	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		31
Current Capacity:			
Planned Capacity:			
Utilities in County: Dakota City Electric Dept; Nebraska Public Power District; Northeast Nebraska Rural P P D; South S			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,806		0
CO2 Equivalent of CH4 Reduction (tons/yr):	121,934		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	24,468	155	17,485 159
Fuel Oil:	20,082	129	14,351 84
Natural Gas:	13,503	0	9,650 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	Leonard Gill	Leonard Gill	
Mailing Address:	P.O. Box 126	P.O. Box 126	
Phone Number:	(402) 632-4238	(402) 632-4238	
Fax Number:	(402) 632-9254	(402) 632-9254	

\* *Italicized indicates values estimated by EPA.*



Lincoln Bluff Road LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	City of Lincoln	Annual Acceptance Rate (tons):	252,915	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:		
Alternative Landfill Name:	Bluff Road LF	Design Capacity (tons):	10,558,758	
City:	Lincoln	Acres Currently Landfilled (acres):	171	
County:	Lancaster	Average Depth (feet):		
State:	NE	Waste-in-Place (tons):	1,271,527	
Year Open:	1993	1998 Waste-in-Place (tons):	1,271,527	
Year Closed:	2018			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):	0.74			
LFG Collection System Status:	N.A.			
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		23	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Hickman Electric Dept; Lincoln Electric System; Nebraska Public Power District; Norris Public Powe			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,297		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	90,237		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,153	115	12,940	118
Fuel Oil:	14,899	96	10,620	62
Natural Gas:	10,019	0	7,141	0
<b>E. CONTACT INFORMATION</b>				
	Landfill Owner		Landfill Operator	
Contact Name:	Steve Owen		Steve Owen	
Mailing Address:	2400 Theresa Street, D.P.W.		2400 Theresa Street, D.P.W.	
Phone Number:	(402) 441-7961		(402) 441-7961	
Fax Number:	(402) 441-6635		(402) 441-6685	

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Allied Waste Industries	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Norfolk	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	NE	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status: Potential

Utilization System Type: Unknown

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

*Estimated Potential Capacity:*

Current Capacity:

Planned Capacity:

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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Sarpy County LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	Sarpy County	Annual Acceptance Rate (tons):	172,234	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:		
Alternative Landfill Name:		Design Capacity (tons):	2,923,013	
City:	Papillion	Acres Currently Landfilled (acres):	160	
County:	Sarpy	Average Depth (feet):		
State:	NE	Waste-in-Place (tons):	1,320,587	
Year Open:	1990	1998 Waste-in-Place (tons):	1,320,587	
Year Closed:	2008			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):	0.76			
LFG Collection System Status:	N.A.			
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		24	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Omaha Public Power District; Western Area Power Admin			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,370		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	91,760		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,943	120	13,158	120
Fuel Oil:	15,547	100	10,800	63
Natural Gas:	10,454	0	7,262	0
<b>E. CONTACT INFORMATION</b>				
	Landfill Owner		Landfill Operator	
Contact Name:	Dwayne Brigman		Dwayne Brigman	
Mailing Address:	1210 Golden Gate Drive		1210 Golden Gate Drive	
Phone Number:	(402) 253-2371		(402) 253-2371	
Fax Number:	(402) 253-2713		(402) 253-2713	